Monthly Divisional Report

New Jersey State Highway Department

December 1959

NJ
HE
356
N5
M65
1959-12
C.1

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of December 19 59

Division: Accounting & Administrative Services

Bureau: Auditing & Accounting Bureau
Office of Comptroller

Budget Hearing, conducted by Budget Director Abram M. Vermeulen, was attended by Commissioner Palmer, State Highway Engineer Fritzsche, Messrs. Andrews, Petersen, Combs and Card, and 1960-61 requirements reviewed.

Conference was held with Bureau of Public Roads anent wage rates and employee records.

Representatives of Nigeria and Turkey, Mr. Tamajong Ndumu and Mr. Ahmet Refik Turek, respectively, were given descriptions of our Equipment costs and also our procedures covering stores and equipment. Maintenance cost was also explained in detail and forms used in reporting costs from the field were supplied.

Approximately 3123 invoices were passed for payment for materials, supplies, estimates to contractors, right of way invoices and utility bills, together with regular bi-weekly payrolls.

Warrants were drawn and audited for 55 County & Municipal Aid payments amounting to $1,469,473.50. Funds were certified on Contracts, Price Agreements, Transfer Forms, etc.

Cyrus Card
Comptroller

NJ
HE
356
NS
M65
1959-12
c.1

Form 240-39

MONTHLY DIVISIONAL REPORT Month of December 19 59

Division: Accounting & Administrative Services
Bureau: Auditing & Accounting Bureau
Office of Comptroller

Budget Hearing, conducted by Budget Director Abram M. Vermeulen, was attended by Commissioner Palmer, State Highway Engineer Pritzlaff, Messrs. Andrews, Peterson, Combs and Card, and 1960-61 requirements reviewed.

Conference was held with Bureau of Public Roads audit wage rates and employee records.

Representatives of Algeria and Turkey, Mr. Tsaejong Nkum and Mr. Ahmet Refik Turek, respectively, were given descriptions of our Equipment costs and also our procedures governing stores and equipment. Maintenance cost was also explained in detail and forms used in reporting costs from the field were supplied.

Approximately 3123 invoices were passed for payment for materials, supplies, estimates to contractors, right of way invoices and utility bills, together with regular bi-weekly payrolls.

Warrants were drawn and audited for 55 County & Municipal Aid payments amounting to $1,109,173.50. Funds were certified on Contracts, Price Agreements, Transfer Forms, etc.

Cyrus Card
Comptroller

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of December 19 59

Division: Administration

Bureau: Hourly Payroll Bureau

Preparation of bi-weekly Hourly Basis Payrolls, checking and approval of same. Supervise the drawing of individual checks each bi-weekly pay or a total of 2898 checks for the month. Total of payrolls for the month $516,055.13. Signed as Head Paymaster the above mentioned checks.

Spent two (2) days in the field conferring with Highway employees regarding their retirement from State service.

Correspondence regarding Hourly Basis personnel.

Supervise the personnel of the Hourly Payroll Bureau in regular routine work of maintaining necessary forms and information required.

Prepared Accounts Receivable billings, deposit of checks and cash for the month, approval of releases in conjunction with Accounts Receivable.

Clyde W. Case
Head Paymaster

Form #AD-39

MONTHLY DIVISIONAL REPORT

Month of December 19

Division: Accounting & Administrative Services

Bureau: Office Services

OFFICE SERVICES

Plans have been completed for installation of new telephone services for the Maintenance Bureau. Conferences have been held with Mr. Norwood of the telephone company and a decision has been reached to proceed with the installation. Although this will be a far superior system to that now in use, there will be a saving of $25.00 a month on the monthly recurring charge.

Various articles of obsolete furniture was transferred to Purchase and Property Bureau at the Fair Grounds during the month.

Survey of requested office furniture for the 60-61 budget was surveyed by Mr. Bruno and Mr. Sirch and various pieces of office furniture and machines were deleted after investigation showed that this equipment was purchased on the 59-60 budget.

Trips were made to Hadonfield and Metuchen on survey of office equipment.

FILES & RECORDS

During the month, in addition to our normal work schedule, preparation were started for the year-end clearing of the files in the various offices under the control of the Central Files Section of that material which has reached retention age for the office files. This material will be interfiled with the records in the Central Files Section. Destruction requests for January 1960 are in preparation for presentation to the State Records Committee to enable us to clear from the files material on our approved Retention Schedule.

MAILING SECTION

There wasn't much decrease in the amount of incoming mail in spite of the fact that Construction slows down during the winter months. We did do a lot of sorting of Christmas cards, both incoming and outgoing. The reason our postage charge ran over $3,000.00 was because we had to prepay the postage on envelopes for various bureaus.

DUPLICATING SECTION

Two new pieces of equipment were received - A new Mimeograph Model 895S and a Tally 1000. The Mimeograph is a replacement and one of our old models was traded in on this new machine. The Tally 1000 is a new piece of apparatus and is used for the automatic counting and separation of copy printed on the Model 1250 Multilith.

Approval was also given for the purchase of a new Model 1250 Offset machine to replace one of our older models.

All other assignments are progressing according to schedule.

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of DECEMBER, 19 59.

Division: Accounting & Administrative Services

Bureau: Purchase & Stores

The activities in the Purchase and Stores Bureau during the month of December, 1959, were mostly of a routine nature.

Bids were received Tuesday, December 29th, on miscellaneous scrap Steel and used Tires (Casings). Disposal request was prepared and approved and awards made to successful bidders. We are now awaiting pickup of the material after which invoices will be prepared and forwarded for payment.

Check for $7.20 in payment of 480 gallons of Crankcase Drainings and Benzol at $.01½-per gallon from S. Samuel Rubino, Auto Waste Oil Service, Trenton, N. J., was forwarded to Mr. Card, Comptroller, December 10. This was in payment of final pickup and contract was terminated on recommendation of Mr. J. C. Reed, Laboratory.

A new procedure was developed for the obtaining of Department taxis by employees, it now being unnecessary for employees to go to Fernwood to obtain a car. The cars are now serviced at Fernwood, delivered to the Office Building and keys are obtained from this office. When assignment is completed the keys are returned to this office together with the Daily Operator's Report, after which the cars are picked up by the Equipment Bureau and returned to Fernwood. This procedure will become effective January 4, 1960.

Interviewed 40 salesmen representing various concerns during the month and attended 14 meetings regarding departmental matters and purchases.

Clifford Wear

Clifford Wear
Supervisor, Purchase and Stores Bureau

Form AD-39

MONTHLY DIVISIONAL REPORT

Month of DECEMBER, 19 59.

Division Accounting & Administrative Services

Bureau Purchase & Stores

The activities in the Purchase and Stores Bureau during the month of December, 1959, were mostly of a routine nature.

Bids were received Tuesday, December 29th, on miscellaneous scrap Steel and used Tires (Casings). Disposal request was prepared and approved and awards made to successful bidders. We are now awaiting pickup of the material after which invoices will be prepared and forwarded for payment.

Check for $7.20 in payment of 180 gallons of Crankcase Draining and Benzol at 4.01¢-per gallon from S. Samuel Bubino, Auto Waste Oil Service, Trenton, N. J., was forwarded to Mr. Cund, Comptroller, December 10. This was in payment of final pickup and contract was terminated on recommendation of Mr. J. C. Read, Laboratory.

A new procedure was developed for the obtaining of Department tanks by employees, it now being unnecessary for employees to go to Fernwood to obtain a car. The cars are now serviced at Fernwood, delivered to the Office Building and keys are obtained from this office. When assignment is completed the keys are returned to this office together with the Daily Operator's Report, after which the cars are picked up by the Equipment Bureau and returned to Fernwood. This procedure will become effective January 1, 1960.

Interviewed 10 salesmen representing various concerns during the month and attended 11 meetings regarding departmental matters and purchases.

Clifford Wear
Supervisor, Purchase and Stores Bureau

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of December 1959

Division: Accounting and Administrative Services

Bureau: Administration - Office of the Secretary

CONTRACTS

Bids received on one (1) project and necessary reports and certificates of award prepared. Five (5) contracts awarded; contracts prepared and forwarded for execution. Execution of eight (8) contracts completed. Seven (7) projects advertised for bids. One hundred (100) sets of plans and supplementary specifications distributed.

SCHEDULES OF APPROVALS

Three (3) Schedules prepared listing a total of two hundred seventy-four (274) items; which by a combination of items were possible represents action on three hundred twenty-seven (327) individual items. Official copies of Schedules signed by the Commissioner, placed in the Minute Book and indexed. Schedules distributed in accordance with regulations and necessary letters concerning official actions written.

GENERAL

15 Standard Specifications issued
4 Deposits made for transmittal of income
15 Traffic Regulations certified to Acting Director, Division Motor Vehicles
84 Property agreements attested and processed
7 Agreements attested and processed
1 Utility Order attested and processed
30 Municipal Aid contracts, applications, agreements, transfers, etc. certified
6 Lease agreements executed and processed
15 General releases executed
2 Equipment rental agreements (snow removal 1959-60) executed

3000 (approximately) maps distributed

General correspondence, filing and answering telephone inquiries.
Receiving and reading bids at four lettings.

Kenneth D. Rice

Kenneth D. Rice
Secretary

Form 2AD-39

MONTHLY DIVISIONAL REPORT Month of December 1959

Division: Accounting and Administrative Services
Bureau: Administration - Office of the Secretary

CONTRACTS

Bids received on one (1) project and necessary reports and certificates of award prepared. Five (5) contracts awarded; contracts prepared and forwarded for execution. Execution of eight (8) contracts completed. Seven (7) projects advertised for bids. One hundred (100) sets of plans and supplementary specifications distributed.

SCHEDULES OF APPROVALS

Three (3) Schedules prepared listing a total of two hundred seventy-four (274) items; which by a combination of items were possible representation on three hundred twenty-seven (327) individual items. Official copies of Schedules signed by the Commissioner, placed in the Minute Book and indexed. Schedules distributed in accordance with regulations and necessary letters concerning official actions written.

GENERAL

15 Standard Specifications issued
4 Deposits made for transmittal of income
15 Traffic Regulations certified to Acting Director, Division Motor Vehicles
61 Property agreements attested and processed
7 Agreements attested and processed
1 Utility Order attested and processed
30 Municipal Aid contracts, applications, agreements, transfers, etc. certified
6 Lease agreements executed and processed
15 General releases executed
2 Equipment rental agreements (snow removal 1959-60) executed

3000 (approximately) maps distributed

General correspondence, filing and answering telephone inquiries. Receiving and reading bids at form letting.

Kenneth D. Rice
Secretary

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of December 1959

Division: BRIDGE

Bureau: BRIDGES UNDER CONSTRUCTION SHEET #1

		% OF COMPLETION
Rt. US1:		
Sec. 1	Four Structures, Lawrence Township, Mercer County	82
2	Culvert, Lawrence Township, Mercer County	100
3	Two Bridges & Culvert, Plainsboro, Mercer County	100
Rt.US1&9:		
Sec.1&2	Ramp Revisions, Jersey City, Hudson County	67
Rt. 4 Parkway:		
Sec.9N	Chestnut Ave. Ramp Culvert Ext., Union Twp., Union County	100
Rt.US9:		
Sec. 2	Cape May Canal Bridge, Lower Twp., Cape May County	51
Rt. 10:		
Sec.2A	Underpass at Salem St., Randolph Twp., Morris County	73
4A	3 Bridges, Twps. of Hanover, E.Hanover, Livingston,Morris-Essex Co	61
Rt. 15:		
Sec. 1	Burnt Meadow Brook Bridge, Rockaway & Wharton, Morris County	49
Rt. 17:		
Sec. 3	Underpass at Century Road, Paramus, Bergen County	51
Rt. 18:		
Sec. 2	2 Overpasses, 2 Walls, New Brunswick, Middlesex County	62
5	Overpass at Rt. US9, Madison Twp., Middlesex County	0
Rt. 21:		
Sec.1B	Six Structures, Belleville & Nutley, Essex County	97
1C	14 Structures, Nutley & Clifton, Essex-Passaic Counties	9
Rt.US 22, Sec. 13A 4, Sec. 2A US 46, Sec. 15A	4 Pedestrian Overpasses, 1 Stairs, Boros of Mountainside, Paramus, Hasbrouck Heights, Union & Bergen Counties	40
Rt. 35, Sec. 12A & 52, Sec. 1A	Reconstruction of Bridge Decks:	
	Victory Bridge, Perth Amboy & Sayreville Boro, Middlesex County	100
	Ship Channel Br., Somers Point-Ocean City,Atlantic-Cape May Co.	100
Rt. 38		
Sec.1A&2A	6 Culverts, 1 Bridge, Twps.of Delaware,Maple Shade,Moorestown, Mount Laurel, Camden & Burlington Counties	55

[illegible] Month of November 1939

[illegible] COUNTIES UNDER CONSTRUCTION SHEET #3 [illegible] OF [illegible]

1	Four Structures, Lawrence Township, Mercer County	[illegible]
2	Culvert, Lawrence Township, Mercer County	[illegible]
3	Two Bridges & Culvert, Plainsboro, Mercer County	[illegible]
	Ramp Revisions, Jersey City, Hudson County	[illegible]
	[illegible]:	
	[illegible] Ave. Ramp Culvert Ext., Union Twp., Union County	[illegible]
	Cape May Canal Bridge, Lower Twp., Cape May County	[illegible]
	Underpass at Bruen St., Ravenna Twp., Morris County	[illegible]
	3 Bridges, Twps. of Hanover, E.Hanover, Livingston, Morris-Essex [illegible]	
	[illegible]	
	[illegible]ges at Century Road, Paramus, Bergen County	[illegible]
	2 Overpasses, 2 Wells, New Brunswick, Middlesex County	[illegible]
	Overpass at Rt. U&P, Madison Twp., Middlesex County	0
	[illegible] Structures, Rahway & Metuchen, Essex County	[illegible]
	[illegible] Structures, Muttontown & Oldtown, Essex-Passaic Counties	[illegible]
	[illegible]s, 1 Steel, Boros of Mountainside.	
	[illegible] Heights, Union & Bergen Counties	[illegible]
	[illegible]	
	[illegible] Perth Amboy & Sayreville Boro, Middlesex County	[illegible]
	[illegible]., Boonton Point-Ocean City, Atlantic-Cape May Co.	[illegible]
	[illegible] [illegible] of Delaware, Penn. [illegible] Brad. Morristown.	
	[illegible] [illegible] Counties	

MONTHLY DIVISIONAL REPORT — MONTH OF DECEMBER, 1959

DIVISION: BRIDGE
BUREAU: BRIDGES UNDER CONSTRUCTION SHEET #2

		% OF COMPLETION
Rt. 71:		
Sec. 1	Three Culverts, Deal, West Long Branch, Eatontown & Long Branch, Monmouth County	84
2	Bulkhead, Asbury Park, Monmouth County	0
Rt. 78:		
Sec. 2E	5 Structures, Bloomsbury, Bethlehem & Union Twps., Hunterdon Co.	93
2F	Overpasses at CRR & LVRR, Bloomsbury & Bethlehem Twps. " "	71
Rt. 80:		
Sec. 2E	10 Bridges, Netcong & Roxbury, Morris County	31
4A	Bridge over Rt. 20, Passaic River & Slaughterdam Road, Paterson-East Paterson, Passaic-Bergen Counties	29
Rt. 101:		
Sec. 2C	Eight Structures, Wharton, Morris County	98
Rt. 102:		
Sec. 2B	Six Bridges, Greenwich Twp., Warren-Hunterdon Counties	98
2D	Six Bridges, Greenwich & Franklin Twp., Warren-Hunterdon Co.	99
Rt. 104:		
Sec. 1A-2A	East & West Viaducts over Raritan River, Middlesex-Somerset Co.	99
Rt. 129 & 29:		
Sec. 1A & 15A	Eight Structures, Ewing & Hopewell Twps., Mercer County	31
Rt. US 130:		
Sec. 8A&9A	Bridge over Swedes Run, Burlington County	44
Rt. 169:		
Sec. 1	Three Bridges, Bayonne & Jersey City, Hudson County	36
Rt. 208:		
Sec. 2	Ewing Avenue Overpass, Franklin Lakes, Bergen County	95
3	Four Structures, Hawthorne & Wyckoff, Passaic-Bergen Counties	97
3A	Pedestrian O.P. at Ethel Ave., Boros of Hawthorne, Glen Rock, Fair Lawn, Passaic & Bergen Counties	24
Rt. 287:		
Sec. 1B	Nine Bridges, Bridgewater Twp., Somerset County	5
1C&2B	Seven Bridges, Franklin-Piscataway Twps., Somerset-Middlesex Co.	27
Rt. 295:		
Sec. 1C	Nine Structures, Deptford & Westville, Camden-Gloucester Counties	66
Rt. US 322:		
Sec. 1	Widening 6 Bridges, Hamilton Twp., Atlantic County	58
Scudders Falls Bridge (Superstructure) over Delaware River		99
Ocean County:	Meadow Avenue Bridge	2

Three Culverts. Deal, West L
Long Branch, Monmouth County

5 Structures, Bloomsbury, Wethleham & Union Twps.,Hunterdon Co.
Overpasses at C&H & LVRR,Bloomsbury & Bethlehem Twps. " "

10 Bridges, Hoboney & Roxbury, Morris County
Bridge over rt. 80. Passaic River & Stanportersion Road,

Eight Structures, Wharton, Morris County

Six Bridges, Greenwich Twp., Warren-Hunterdon counties
Six Bridges, Greenwich & Franklin Twps.,Warren-Hunterdon Co.

East & West Viaducts over Raritan River, Mi Edison-Sonerset Co.

Eight Structures, Ewing & Hopewell Twps., Mercer County

Four Structures, Hamilton & Upper, Passaic-Bergen Counties
Pedestrian O.P. at Grant Ave., Boros of Hackensack, Tlen Rock.

Franklin-Pleasantary Twps.,Somerset-Middlesex Co.

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of DECEMBER 19 59

Division: BRIDGE

Bureau: DESIGN SECTION

Rt.US 1: Sec. — Underpass at Milltown Road:
Plans & Specs. completed. Temporarily held up.

Rt.US 1: — Reconstruction at Oakland Avenue:
Plans prepared. Advertised 12-30-59

Rt. 3 — Repairs to header @ Lincoln Tunnel Approach:
Specs. being prepared.

Rt. 7: — Passaic River-Repairs to Fender System:
Specs. completed.

Rt. 7: — Hackensack River -Repairs to Fender System:
Specs. completed.

Rt. 10: Sec. 7 — Canoe Brook Bridge:
Plans being prepared.

Rt. 13: Sec. 1 — Lovelandtown Bridge Extension:
Plans being prepared

Rt. 20: — Interchange at Route 4:
Reviewing plans prepared by Stalling, Lord-Wood & Van Suetendael

Rt. 22: — Steps at Overpass at Burke Parkway:
Plans being prepared. Contract awarded to Kuchar Bros.

Rt. 28: — Underpass at L.V.R.R.
Specifications being prepared.

Rt. US 30: — Two Pedestrian Overpasses:
Plans being prepared.

Rt. 35: — Two Bridges Over L.V.R.R. at Convery Blvd.& Removal of Existing Bridge
Plans prepared. Submitted to Public Roads for approval to advertise.

Rt. 35: — Shark River Bridge Extension
Plans prepared. Advertised for bids to be received 1-20-60.

Rt. 35: — Matawan Creek Grid Floor:
Plans and specifications prepared.

Rt. 73: — Rt. 73 over US 130, US 130 over Pennsauken Creek, Ramp A over Rt. 73:
Plans prepared. To be advertised 12-30-59

Rt. 78: Sec.2G — Six Bridges:
Reviewing plans prepared by Parsons,Brinckerhoff,Hall & MacDonald

Reconstruction at Oakland Avenue:

Repairs to Lincoln Tunnel Approach:
pieces. being prepared.

Hackensack River -Repairs to Trader System:
Spans. completed.

Orange Brook Bridge:
Plans being prepared.

Intersections at Route 1:
Preliminary plans prepared by Stallins, Lord-Wood & Van Cortenhout

awarded to Lucker Bros.

Division: Bridge
Bureau: Design Section Sheet #2

Rt. 78: Pluckemin to Berkeley Heights:
Reviewing plans prepared by Deleuw, Cather and Brill.

Rt. 80: Bergen-Passaic Expressway:
Sec. 4 Reviewing plans by Fay, Spofford & Thorndike.

Sec.2J: Four Bridges:
Reviewing plans prepared by Louis Berger & Associates.

Sec. 5: Bergen-Passaic Expressway:
Reviewing plans prepared by Parsons,Brinckerhoff, Hall & MacDonald

Rt. 82: Underpass at L.V.R.R.
Sec.1A Advertised 12-30-59.

Rt. 95: Bergen-Passaic Expressway:
Sec. 1 Reviewing plans prepared by Parsons,Brinckerhoff, Hall & MacDonald

Rt. US130: Three bridges at Interchange at Rt. 73.
Sec.7A&8B Advertised for receipt of bids on 1-20-60

Rt. 167: Removal of Mullica River Bridge:
Awarded to Wyle Maddox, low bidder 11-19-59.

Rt.168: Culvert at Sta. 112+50 - Black Horse Pike:
Plans complete except for quantities.

Rt. 202: Bridges at S.Branch Raritan River, C.R.R.of N.J., L.V.R.R.,
Sec. 8A Samuels Brook, Pleasant Run and Hadad Brook:
Plans being prepared.

Rt. 208: Bridges at Grandview Ave., Cedar Hill Ave.,Russell Ave.,Summit Ave.
Sec. 4 Plans and specifications completed.

Rt. 208: Overpass at N.Y., S. & W. R.R.:
Sec. 4 Plans and specifications being prepared.

Rt. 208: Six Structures:
Sec. 4 Reviewing plans prepared by Goodkind & O'Dea.

Rt. 287: 23 Structures (Rt. 27 to Stelton Rd):
Reviewing plans by Madigan-Hyland.

Rt. 287: 14 Structures (East of Stelton Rd).
Reviewing plans by Madigan-Hyland

Rt. 287: 5 Structures:
Reviewing plans by Goodkind & O'Dea.

Rt. 287: 4 Structures:
Sec.4A Reviewing plans by Madigan-Hyland

specifications complete.

Plans and specifications being prepared.

Division: Bridge
Bureau: Design Section Sheet #3

Rt. 295: 4 Bridges
Sec. 1D Plans and specs. completed. Advertised for bids to be received 1/5/60

Rt. 295: 7 Structures:
Sec. 2E Reviewing plans by Sherman, Taylor & Sleeper.

Rt. 295: 5 Structures:
Reviewing plans by Sherman, Taylor & Sleeper.

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of December, 19 59

Division: Maintenance and Operations

Bureau: Electrical Operations

FEDERAL AID INTERSTATE ROUTES

Lighting plans, specifications and estimates: Bergen-Passaic Expressway, I-80-4, West of Parkway, 28.03%, Fay, Spofford & Thorndike; Bergen-Passaic Expressway, Garden State Parkway to George Washington Bridge, Rt. I-80 and Rt. I-95, 9%, Parsons, Brinckerhoff, Hall & MacDonald; Rt. 295, Copley Road to Rt. U.S.130, 70%, Electrical Bureau. Construction, highway lighting contract, Rt. 80, Sec. 2F, 50.02% complete.

MAINTENANCE AND OPERATIONS

33 bridges in full time operation, 6 on 24 hr. notice basis. Routine mechanical and electrical maintenance, all movable bridges, 957 traffic signals, 5 lane control systems, 887 illuminated signs. Replacement of highway lighting, traffic signal, sign equipment, damaged and knocked down by traffic. Group relamping of signals and metered lighting. Installing electric service and motor, Rt. 50 Tuckahoe River Bridge.

CONSTRUCTION

12 traffic signals under construction, 3 completed. 2 traffic signals removed from service. 12 multiple lighting installations completed. Work on lighting and traffic signal contract, Rt. 1, Sec. 1A to 7, jug handles, 100% complete. Installed conduit, wiring, etc. Phone Booths, Rt. 4 Parkway. Conduit and cable repairs, 5 lane traffic control system, Edison Bridge. Relocating safety gate for new sidewalk, Rt. 13 Lovelandtown Canal Bridge.

DESIGN AND INSPECTION

9 signal approvals from Planning & Traffic, 4 estimated. Preparing plans and specifications, jug handle signal installations, Rt. US1&9, Jersey City, 5 locations; Rt. US130 & 38, 21 locations.

NEGOTIATIONS

3 traffic signals under negotiations completed. 4 field inspections on signals with 5 contacts with local officials. 4 contracts under inspection.

CLAIMS

Payments of claims in the amount of $10,954.61 received, 46 claims set up totaling $27,766.41, 25 result of property damage accidents. 31 work orders set up resulting in claims totaling $10,775., 29 result of property damage accidents. During 1959, 337 claims were set up and $89,637.30 collected on claims.

MISCELLANEOUS

Maintenance of mobile radio communicating system, 217 mobile units and 9 base stations. Installing service, wiring and floodlights, 3 maintenance yards. Installing new lighting system, Avenel Garage. Installed circuits, Bldg. #18, Laboratory and Machine Shop, Annex to Bldg. #1, Fernwood.

Maintenance and Operations

[illegible]

[illegible]

[illegible]

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of December 19 59

Division: Maintenance and Operations

Bureau: Maintenance

BRIDGE SECTION

Completed concrete repair work at Primrose Brook Bridge on Route 202 at Morristown, Shark River Bridge on Route 35 at Belmar, and Forrestall Road Overpass on Route 1 at Plainsboro; fender repairs at Victory Bridge on Route 35 at Perth Amboy, and repairs to manual traffic gate at the Passaic River Bridge on Route 9 at Kearny. Bureau forces painted pipe railing on the Manamuskin Creek Bridge on Route 47 at Port Elizabeth, and completed approximately 75% of painting work on the Route 58 and 21 overpass and ramps at Newark. J. I. Hass Company completed all work under its contract for repainting a portion of the Pulaski Skyway with the exception of the middle divider in the roadway. Owing to the necessity for using abrasives in the roadway in connection with our ice control operations, it was considered advisable to defer until spring the painting of the roadway divider.

CONSTRUCTION AND MAJOR MAINTENANCE PROJECTS

Completed miscellaneous construction projects totaling approximately $22,450.00, including drainage work at the D. L. and W. Railroad Bridge on Route 80, on Route 1 in Linden and on Route 17 in North Arlington, emergency turnaround and fence project on Route 46, and island revision, sidewalk and steps at ramp on Route 46 in Lodi. Completed work on institutional construction project at East Rutherford Motor Vehicle Inspection Station.

SNOW REMOVAL AND ICE CONTROL

Three snow storms occurred during the month, including one of major proportions on December 21 which necessitated plowing by contractors on 97 sections. Three major tie-ups occurred during the December 21 storm.

PERMITS SECTION

Total of 260 applications processed, including 150 for road openings, 45 for the erection of poles, 46 for entrances and 19 for miscellaneous projects.

LANDSCAPE SECTION

Completed screen planting with trees and shrubs at industrial development on Route 4 Parkway; removed 75 large trees and trimmed numerous others, and erected holiday decorations and trees about the Highway Office Building and Cafeteria.

MAINTENANCE BUILDINGS AND STRUCTURES

Completed new heating system and building addition at Avenel Garage, and new building addition and modifications at Clinton Point Garage; prepared preliminary cost estimates and plans for construction of emergency generator building, and preliminary cost estimates, space allotments and building layouts for proposed new Deptford Township Garage; started installation of motorized steam valves for better regulation of Main Office Building heating system; prepared specifications for re-roofing Laboratory Building No. 18; presented recommendations on bids received for roofing Buildings Nos. 2 and 5, and are obtaining quotations on changes which are deemed advisable for economy reasons at the Edgewater Park maintenance building.

Maintenance and Operations

[illegible]

completed concrete repair work at Pequonnock Brook Bridge on Route 202 at Morristown, at Hackensack; Easter repairs at Victory Bridge on route 35 at Perth Amboy, and [illegible] to manual traffic gate at the Passaic River Bridge on Route 9 at Kearny. Seven forces painted pipe railing on the Hackensack Creek Bridge on Route 4A at Port Elizabeth, and completed approximately 75% of painting work on the Route 52 and 21 overpass and ramps at Newark. G. I. Haas Company completed all work under the middle divider in the roadway. Owing to the necessity for using abrasives in the roadway in connection with our ice control operations, it was considered advisable to defer until spring the painting of the roadway divider.

[illegible]

Lining drainage work at the D. L. and W. railroad Bridge on Route 80, on Route 1 in Linden and on Route 17 in Ho-Ho-Kus, temporary [illegible] and [illegible] or [illegible], and [illegible] at Camp or Route 46 to [illegible].
[illegible] work on institutional construction project at East Hutchinson [illegible] Correctional [illegible].

[illegible] AND ICE CONTROL

[illegible] which necessitated plowing by contractors on 27 sections. Three major storms occurred during the December 21 storm.

[illegible]

[illegible] of 250 applications processed, including 150 for road openings, 45 for the erection of poles, 40 for entrances and 19 for miscellaneous projects.

LANDSCAPE PROJECTS

[illegible]; removed 75 large trees and trimmed numerous others, and erected holiday [illegible].

[illegible] AND [illegible]

[illegible] Plan Nos. 2 and 5, and are obtaining quotations on changes which are [illegible] for economy reasons at the Edgewater Park main [illegible].

MONTHLY DIVISIONAL REPORT Month of December 1959

Division: Maintenance and Operations

Bureau: Maintenance

SIGNS AND LINES SECTION

Erected all types of signs on new construction projects at Chestnut Street ramp on Route 444, Route 21 at Nutley, Route 208, Grand Avenue to Colonial Avenue, Hawthorne, and turnaround on Route 1 at Grand Avenue, Rahway; new type Green Directionary signs at eight intersections on Route 1 in Elizabeth, Newark and Jersey City, Somers Point Control on Route 9, three controls on Route 130 in Verga and Westville, Somers Point Circle on Route 52, and the Berlin Circle on Route 73, and detour signs on Route 21 at Nutley, Victory Bridge on Route 35 at Perth Amboy, and Route 71 at Long Branch. Erected Service Connection Notices and passed out Notices Prior to Reconstruction in connection with construction project FAI-295, Section 1-D, at Westville.

INSPECTION OF COMPLETED CONSTRUCTION PROJECTS

Inspected a total of six completed construction projects preliminary to acceptance by the Bureau. Found four to be in satisfactory condition for acceptance and two either incomplete or requiring corrective measures.

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of December 19 59

Division: Maintenance & Operation

Bureau: of Plant & Equipment

NEW EQUIPMENT

The following new equipment was received during the month: 5 Hough, Front End Loaders, Model H-30R; 3 Homelite Portable Electric Generators equipped with Electric Breakers and Electric Hammers; 1 Auto-Test Electric Timing Light and 1 Exide Fast Battery Charger.

SNOW PLOW SECTION

The following operations were completed in this section: 43 trucks were prepared for snow removal operations; 4 old trucks were stripped for trade-in; 3 truck radiators were steam-cleaned and blown out. The following equipment was repaired and painted: 28 snow plows, 10 spreaders, 40 hydraulic pumps, 28 hydraulic rams, 12 trip springs and 15 push bars. Thirty new draw bars were made and fitted on trucks; 12 spreader gates were repaired and fitted on trucks. During the snow storm, 12 major repair jobs were completed on snow plows, spreaders and spreader gates.

GENERAL REPAIR SHOP

The following operations were completed on the road and in the shop: Equipment Operation Section; 64 major and minor repairs; Heavy Equipment Shop, 20 major operations; Diesel Shop, 51 service and major operations. A total of 73 operations were completed in the Mower, Carpenter and Tin Shop. The Machine Shop completed 181 major and minor operations.

The Inspection Shop was constantly active with regular and special assignments. A total of 107 operations were completed by the Carburetor and Ignition Shop. The Car and Truck Shop completed 29 major operations with other minor and service jobs included. Tail lights, driving lights and safety lights were repaired and installed on 55 pieces of equipment.

BUILDING MAINTENANCE SECTION

The Building Maintenance Section completed the following work at various installations throughout the State.

Vineland Garage: Installed new "Meyers" deep well pump and casings. Repaired and serviced condensation pump and installed water treatment in boiler.

Avenel Garage:	Installed new 4-ply roof over boiler room and oil house, recoated it with Panther roof coating. Built new work bench for repair shop. Finished re-wiring office and stock room. Installed water treatment in boiler.
Clinton Point Garage:	Removed old stock room cage. Laid creosoted wooden block flooring in shop area. Installed water treatment in boiler.
Hammonton Garage:	Repaired oil burner and replaced transformer.
Metuchen Field Office:	Repaired and recoated section of roof. Built knotty pine bookcase for office. Replaced transformer and electrodes on oil burner.
Flemington Garage:	Repaired roof and walk-in door.
Branchville Garage:	Cleaned and adjusted points on oil burner. Built new work bench for repair shop. Installed water treatment in boiler.
Toms River Garage:	Installed water treatment in boiler. Overhauled water pump. Removed well point and casing (repairs to be completed).
Sand Hill Garage:	Installed water treatment in boiler.
Fernwood Service Station:	Rebuilt oil burner and adjusted electrodes in Bldg. #2. Completed replacement of main 3" steam line, return line, air line and water lines to Bldg. #8 from Bldg. #1. Built concrete tunnel from Bldg. 1 to Bldg. #8. Installed new squirrel cage for new hoods, also lined and serviced motors on other exhaust system in Bldg. #18. Repaired vacuum pump in Bldg. #4. Installed water treatment in boiler in Bldg. #33.
Chayat Property Rt. 22:	Salvaged oil burner, water pump, oil tank and radiators from Chayat Property.

Credits

A total of $2087.98 was received for Equipment billings for the sale of scrap rubber.

	Installed new 3-ply roof over built-up roofing, over old house, recovered it with Gamboa roof coating. Built new work bench for repair shop. Finished remodeling office and stock room. Installed water treatment in boiler.
Other rooms serviced:	Removed old stock from store. Set carpenters to work floorings in shop area. Installed water treatment in boiler.
Storage Tank Damage:	Repaired oil burner and replaced thermostat.
Warehouse Fields Office:	Repaired and recovered section of roof. Built knotty pine bookcase for office. Replaced thermostat and electrodes on oil burner.
Warehouse Garage:	Repaired roof, and weld-in door.
Warehouse Office:	Cleaned and adjusted boilers on oil burner. Built new work bench for repair shop. Installed water treatment in boiler.
Home Water Damage:	Installed water treatment in boiler. Repaired water pump. Removed old paint and caulk (remainder to be completed).
Shop Fill Damage:	Installed water treatment in boiler.
Completed Service	Check oil burner and adjusted electrode in fi- [illegible] [illegible] replacement of [illegible] when [illegible] return time, air line and water lines to bldg. [illegible] [illegible] [illegible]

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of December 19 59

Division: PERSONNEL
Bureau:

CENTRAL PAYROLL COMPUTER SYSTEM

Adjusted our payroll procedure so as to comply with regulations necessary in order that the Division of Budget and Accounting in the Department of the Treasury could install an electric computer system for the central processing of departmental payrolls.

RECRUITMENT AND TRAINING

During the month of December, 15 men completed the orientation training program which was started in June 1959, and were given permanent work assignments in six distinct areas of the department's operations. All assignments were discussed with and approved by the State Highway Engineer. It is believed that specifically good distribution of these 15 men resulted as indicated in the following specific assignments:

The Division of Rds, Location and Design
- Bureau of Location and Design
  - Trenton - 3
    (one in the drainage section)
  - Cedar Grove - 3
  - Newark - 1
- Bureau of Road Construction
  - New Brunswick - 1
  - Haddonfield - 1

The Division of Maintenance and Operations
- Trenton - 2

The Division of Bridge Construction
- Trenton - 1
- Newark - 1

The Division of Planning, Research, Soils and Tests
- Soils Bureau
  - Haddonfield - 1
- Testing Lab.
  - Trenton - 1

SAFETY, PLANT SECURITY AND DISPENSARY

Safety - The Safety Bureau is continuing instructions on contractors' projects to insure the best possible job protection and safe passage through the various contractors' projects. Special emphasis is being placed on nighttime protection

of these projects. The results thus far have been very satisfactory. It is, however, the intent of the Safety Bureau to continue close observation especially through the winter months when the hazards are the greatest.

With regard to the internal facets of the safety program, the inspectors in the field are continuing inspection of our own maintenance projects and placing a great deal of emphasis on the safe condition of the highway equipment on the road. A survey of all maintenance quarters is presently underway to insure safe and healthy environment in these quarters and also pay particular attention to the needs of fire-fighting equipment.

Dispensary - The practice of having the dispensary physician examine all employees that have been away from their job on extended sick leave for either employment or non-employment connected reasons is being continued because of the satisfactory results of these examinations. It is the intention to continue this practice as an established routine.

IN REPLY PLEASE REFER TO

Monthly Reports
Division of Planning,
Research, Soils and
Tests

State of New Jersey
STATE HIGHWAY DEPARTMENT
DWIGHT R. G. PALMER, COMMISSIONER
TRENTON 25

January 7th
19 60

Commissioner Dwight R. G. Palmer:

Herewith are submitted the reports of this Division for the month of December 1959.

Planning & Traffic
Harry A. Hartmann
Assistant Supervising Engineer

Engineering Research
William VanBreemen
Research Engineer

Soils
Keith Rosser, Jr.,
Assistant District Engineer

Testing Laboratory
J. C. Reed
Supervising Engineer

Howard N. Rigby
Director and Chief Engineer
Division Planning, Research, Soils & Tests

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of December 1959

Division: Planning, Research, Soils and Tests
Bureau: Planning and Traffic

HIGHWAY USE SURVEY SECTION

Field

The regular programmed machine and manual traffic counts were undertaken this month. However, the operations were curtailed somewhat due to snow storms.

Office

The normal office functions of processing field traffic counts were made as these data were received.

TRAFFIC DESIGN AND RESEARCH SECTION

During this period, the major work category for this Section was reviewed and analysis of the traffic volumes for the Interstate Route System. Other projects worked on included estimating traffic volumes for non-Interstate routes; the review of lane lines; and analysis of field data on vehicle performance at traffic signals.

HIGHWAY TRAFFIC OPERATIONS SECTION

During this period, the Highway Traffic Operations Section has received, investigated and processed requests for the installation, revamping, retiming and operation of traffic signals; has received and processed miscellaneous traffic investigations, and has checked the timing and operation of signalized intersections.

TRAFFIC SAFETY CONTROL AND REGULATION SECTION

The assignments under way by this Section, consisted of operating radar speed meters for speed zone studies; laying out and processing no passing zone surveys; making traffic investigations and parking studies; preparing regulations and evaluating riparian grant applications.

HIGHWAY PLANNING SURVEY SECTION

Road Inventory

Field work has been suspended due to lack of available personnel. Reassignment of personnel to projects with higher priority was necessary.

Road Life

Contracts which were completed during the year are being processed for Road Life Studies and Annual Statistical Reports. The Status Report of the Interstate System as of December 1959 was completed during this period.

The regular progressional meeting for central traffic bureau was conducted this month. However, the operations were curtailed somewhat due to snow storms.

[illegible] data were received.

During this period, the major work category for this Section was reviewed and analysis of the traffic volumes for the Interstate Route System. Other projects worked on included estimating traffic volumes for non-Interstate routes; the review of lane lines; and analysis of field data on vehicle performance at traffic signals.

During this period, the Highway Traffic Operations Section has received, investigated and processed requests for the installation, revamping, retiming and investigations, and has checked the timing and operation of signalized intersections.

The assignments under way by this Section, consisted of operating radar speed meters for speed zone studies; laying out and processing no passing zone surveys; [illegible] riparian grant applications.

Field [illegible] has been suspended due to lack of available personnel. Reassignment of personnel to projects with higher priority was necessary.

Data for the Statistical Reports. The Status Report of the Interstate [illegible] was completed during this period.

Planning, Research, Soils and Tests
Planning and Traffic

Penn Jersey Transportation Study

The Technical and Executive Committees held meetings on December 4, 1959. On December 11, 1959 the Policy Committee met and approved the Revised Prospectus for the entire operation of the study and recommended that the work should proceed as outlined in the Revised Prospectus.

Raritan River Origin and Destination Survey

The interview sheets have been coded and checked by six temporary clerks. Key punching of basic data cards has been completed. A text of the study is now in course of preparation.

Loadometer Survey

The 1959 Annual Loadometer Survey has been coded and checked.

Title 23 Section 104(b) Interstate Cost Estimates

As of December 14, 1959 Mr. Ehrenfeld was assigned to work with Mr. French, of the Bureau of Public Roads, on the study of Revised Interstate Cost Estimates. Meetings were held to determine preliminary steps in mapping; setting up work sheets for estimating construction quantities; and determining methods for estimating 1975 traffic volumes.

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of December 19 59

Division: **Planning, Research, Soils and Tests**

Bureau: **Engineering Research**

PAVEMENTS

Completed taking levels and cross-sections on new bituminous pavements on Route 18, vicinity of Old Bridge--to determine performance of bituminous-stabilized base courses, as compared with dry-bound macadam base courses.

Made investigations and field tests in connection with pavement failure on Route 29, Raven Rock to Byram. Submitted written report on same.

Inspected concrete pavement claimed to be in slippery condition on Route 46, Palisades Park. Reported verbally on same to Mr. Fritzsche, and recommended corrective procedure.

Took measurements in connection with experimental joints on (a) Route 130, (b) Route 42 Freeway, (c) Route 202, and (d) Route 22.

Reported faulting and joint-width measurements taken in connection with plain concrete pavement constructed in 1950 on Haddon Ave., Westmont, to (a) Bureau of Public Roads, and (b) Division of State Aid. Also took faulting measurements on (a) Haddon Ave., Collingswood, and (b) Route 130, Yardville Bypass.

BRIDGES

Took measurements on bridges over (a) Raccoon Creek, Route 130, (b) Cheesequake Creek, Route 35, and (c) Shark River, Route 35. Also, on the Victory Bridge, re-established points destroyed during the recent work on this structure. Also completed drawings and tabulations relating to points installed in five new bridges on FAI 295, vicinity of Barrington.

In collaboration with Bridge Division, took levels and incidental measurements on Shark River Bridge, Route 35, this being in connection with the proposed construction of an additional span at the south end.

MISCELLANEOUS

Prepared and submitted two reports summarizing the results, thus far, of the AASHO Road Test.

Participated in two conferences relating to the report being prepared jointly by the Asphalt Institute, New Jersey Bituminous Concrete Association, and the New Jersey Crushed Stone Association. This report concerns the investigations made last year on Route 22, Somerville to Chimney Rock, to determine the cause of failure of the bituminous pavement in certain areas. Also participated in conference initiated by the New Jersey Turnpike Authority--concerning possible means of preventing the deterioration of concrete.

Planning, Research, Soils and Tests

...levels and cross-sections on new bituminous pavements on ... vicinity of Old Bridge--to determine performance of bituminous-...

...vestigations and field tests in connection with pavement failure on ... concrete pavement claimed to be in slippery condition on Route 1[illegible]; ...

...measurements in connection with experimental joints on (a) Route 129, (b) Garden State Parkway, (c) Route 202, and (d) Route 22.

...ured faulting and joint-width measurements taken in connection with plain ...pavement constructed in 1[illegible] on Hudson Ave., Weehawken, to (a) Duncan ...ic Docks, and (b) Division of State Aid. Also took faulting measure-...n (a) Hendon Ave., Collingswood, and (b) Route 130, Yardville Bypass.

...on bridges over (a) Raccoon Creek, Route 130, (b) Oldmans ... Creek, Route 77, and (c) Cross Keys Ave., Route 41. Also ... -lished points destroyed during the recent work on this structure. ...drawings and tabulations relating to points installed in five ...on Rt 2[illegible], vicinity of Barrington.

...boration with Bridge Division, took levels and incidental measurements ...ark River bridge, Route 35, this being in connection with the proposed ...tion of an additional span at the south end.

...and submitted two reports summarizing the results, thus far, of the ... test.

...two conferences relating to the report being prepared jointly ...the Lyndell Institute, New Jersey Bituminous Concrete Association, and the ... Association. This report concerns the investigations ...2, Somerville to Quincy Road, to determine the ...

...the determination of concrete.

Month of December 19[illegible]

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of December 19 59

Division: Planning, Research, Soils and Tests

Bureau: Soils and Subdrainage

EQUIPMENT

Approval was obtained during this month of our purchase order for a nuclear density probe from the Nuclear-Chicago Corporation. Licenses for the supervision of the operation of the machine have been obtained from the Atomic Energy Commission for the bureau head and each of the three men in charge of a district. It is not necessary for individual operators to have such a license.

Briefly the theory of operation is as follows: Gamma rays are emitted from a radio-active source (in this case Cesium 137) placed on the material of which the density is required. A sensitive scaler counts the number of gamma rays returning after collision with the electrons in the outer orbits of the atoms comprising the material. As the material becomes denser, the number of returning rays is reduced. The wet density in pounds per cubic foot can then be read directly from a correlated curve.

Detection badges worn by the operating personnel will be developed periodically by the New Jersey Department of Health which will also set up such controls and procedures for operation of the devise as are considered necessary.

It is our belief that this method will open the way for eventual density control on construction projects without greatly expanding our forces, thereby permitting the contractors to use any compaction method which will produce the desired end result.

CONSTRUCTION

An area approximately 800' in length, made up of old dump materials underlain by varying thicknesses of organic matter, has been uncovered just south of the Third River during construction of Route 21-Section 1C. After discussions with Edwards and Kelcey, who designed the project, this bureau recommended to the Construction Division that the area immediately adjacent to the bridge (Sta. 166+0± to 167+50±) be excavated to firm bottom and refilled with Zone 2 material to elevation +6. The remaining area was to be compacted and tested by a 50 ton compactor to stabilize the dump and to be overloaded to a height of 5' for 60± days to consolidate the underlying organic soil.

It was further advised that, should a change in type of pavement for this area be considered, the choice not be made until settlement readings are available.

On Route 295-Section 1C, The hydraulic back filling operation in the wet excavation area, vicinity of Big Timber Creek, has been in progress for about 2½ months. Our samples taken directly from the discharge pipe and from the surface of fill under water by weighted bucket have in the great majority of cases indicated a good, coarse sand complying with specifications. As the fill became high enough at one end of the trough to be visible at low tide, the appearance of the backfill gave cause for alarm. Subsequent

Approval was obtained during this month of our procedure under for a clear density probe from the Nuclear-Industry Corporation. Licenses for supervision of the operation of the machine have been obtained from the Atomic Energy Commission for the bureau head and each of the three men [illegible].

[illegible] a radio-active source (in this case Cesium 137), placed on the [illegible] of which the density is required. A sensitive scaler counts the number of gamma rays returning after collision with the electrons in the water [illegible]. The number of returning rays is reduced. The new density in pounds per cubic foot can then be read directly from a correlated curve.

Inspection methods worn by the operating personnel will be developed [illegible] by the New Jersey Department of Health which will also set up controls and procedures for operation of the devices as are considered necessary.

It is our belief that this method will open the way for eventual [illegible] control on construction projects without greatly expanding our forces, by permitting the contractors to use any compaction method which will

[illegible] of the Third River during construction of Route 46-Section L. After [illegible] with Bureaus and Salary, who designed the project, this bureau [illegible] to the construction division which will [illegible] the bridge (Sta. 108+62 to 167+50±) be excavated to firm bottom and re- [illegible] and tamped by a 50 ton compactor to stabilize the fill and to be

It was further advised that, should a change in type of pavement for [illegible] be considered, the cuts not be made until satisfactory readings

sampling by vertical borings have proven that a large proportion of the fill fails to meet the specified gradation. The contractor is presently removing objectionable material that has accumulated in the excavation as a result of hydraulic operations and we are taking the stand that he must prove to us that any remaining fill is satisfactory.

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of December 19 59

Division: Planning, Research, Soils and Tests

Bureau: Testing and Materials

NEW MATERIALS

Tests started on a cold poured two-component joint sealer "Lockfoam". Tests completed and reported to Bridge Division on samples of rubber impregnated cloth bearing pads. Tests completed and reported to Bridge Division on two samples of Epoxy Resin.

MATERIALS' DEVELOPMENT

Intermin report made to L. C. Petersen on investigation of corrosion control on anchor bolts for bridge railings. Marshall tests run to establish formula recommendation on sample of Quarry Processed Stone for use on streets in Hackensack, N.J. Marshall tests performed on bituminous concrete cores cut from Route U.S. 30 Sec's. 1 and 2 and Route U.S. 41 Sec. 1 D. Continuing tests on Portland Cement Concrete Cores drilled from Route 29 Sec. 11B to determine cement content.

PERFORMANCE TESTING AND INSPECTION

Permeability and density tests performed on cores cut from bituminous concrete bottom course laid on Route 29 Sec. 1B and Route U.S. 1. Bitumen content determined on two samples of contaminated Penetration Macadam Shoulders from Route 101 Sec. 2C. Compressive strength tests run on three Portland cement concrete cores drilled from columns of a pedestrian overpass on Route U.S. 22 Sec's. 13A and 14A. Inspection made and evaulation reported of experimental shoulder treatments constructed on Route U.S. 1. Inspections were made on four projects prior to release of Maintenance Bonds. Seventh monthly evaluation of experimental traffic paint test lines. One Concrete Batching Plant was inspected for approval.

PERSONNEL

Four Assistant Engineer (Trainees) were given the regular training course. Additional employees have received title changes in line with reorganization schedules.

MEETINGS

A representative attended a meeting of the Planning Committee for Third N.J. Asphalt Paving Conference, a conference on Quality Control of Concrete arranged by the N.J. Turnpike Authority.

SAMPLES RECEIVED

During this month, 1565 samples were received for test as compared with 1331 for the corresponding month of 1958. This represents an increase of 17.6%. The number of samples received during the year represents an increase of 8.2% over the number of samples received during 1958.

JCR/OM 1-5-60

Month of December 19 59

[illegible] Testing and Materials

[illegible]

[illegible] sampled on a cold poured two-component joint sealer "Loadfoam". Tests completed and reported to Bridge Division on samples of rubber impregnated cloth bearing pads. [illegible] samples of Epoxy Resin.

[illegible] Tests

[illegible] report made to L. C. Peterson on investigation of corrosion control [illegible] for Bridge Outlines. [illegible] recommendation on sample of Quarry Processed Stone for use on streets in [illegible]. [illegible] and 1 mile in [illegible]. [illegible] Portland Cement Concrete Cores drilled from Route 29 Soc. LIB to determine cement content.

[illegible] Testing and Inspection

Permeability and density tests performed on cores cut from bituminous concrete bottom course laid on Route 29 Soc. IB and Route U.S. 1. Bitumen content determined on two samples of contaminated Penetration Macadam Shoulders [illegible] Route 1CC. [illegible]. Compressive strength tests on concrete cores drilled from columns of a pedestrian overpass on Route [illegible]. 29 Soc. LIB and IIB. [illegible] on four projects prior to release of Maintenance Bonds. Seventh monthly [illegible] was inspected for approval.

[illegible]

[illegible] Assistant Engineer (Trainees) were given the regular training course. [illegible] additional employees have received title changes in line with reorganization [illegible].

[illegible]

[illegible] representative attended a meeting of the Planning Committee for Third M.I. [illegible] held by the N.J. Turnpike Authority.

[illegible] Tests

[illegible]. [illegible] the corresponding month of 1958. Tests represents an increase of 17.6%. [illegible] the number of samples received during 1958.

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of December 19 58

Division: RIGHT OF WAY ACQUISITION & TITLES

Bureau: Appraisals & Negotiations

The Division of Leads transmitted agreement forms covering 44 parcels, of which 34 were revisions.

GENERAL PROPERTY PARCEL MAPS

1 General Property Parcel Map was approved as follows:

Master L, L & S (1927) Sec. 6 Ft. Lee. 1 sheet, set up $1,000.

APPRAISALS, NEGOTIATIONS, CONDEMNATIONS, ETC.

A total of 123 items were presented to the Commissioner for action, including:

76 Agreements
19 Condemnations
4 Awards
3 Appraisals Authorized
5 Judgments approved
1 Transfer of Funds
1 Set up of Funds on I-108-2-(1)
1 Sale of "X" Parcel approved
3 Sales of Buildings sold at auction
1 Contract for demolishing buildings awarded
8 Invoices for New Jersey Power and Light Company approved
1 Action recinding condemnation on Parcel 17, Route 80-2-(11)

APPRAISAL ORDERS APPROVED

39 Orders were approved with outside fee appraisers for a total of $11,770.00

J. A. Whitehead

JAW:pb

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of December 19 59

Division: Right of Way Acquisitions & Titles
Bureau: Legal

I. STATISTICAL

Condemnation

Complaints - 9
Orders To Show Cause - 9
Orders for Judgment and Appointing Commissioners - 19
Orders Substituting Commissioners - 2
Orders of Continuance - 6
Order Appointing Guardian Ad Litem - 1
Orders Extending Time for Filing Report of Commissioners - 32
Reports of Commissioners - 5
Orders of Dismissal - 8
Orders Granting Compensation To Commissioners - 4
Notice of Motion - 1
Notices of Appeal - 3
Orders on Appeal - 6
Petition to Pay Condemnation Award Into Court - 1
Order to Pay Condemnation Award Into Court - 1

Number of Deeds Approved - 74
Number of Titles Approved - 63

Court Appearances - 54

II. GENERAL ACTIVITIES

Court appearances on appointments of condemnation commissioners; various motions; hearings before condemnation commissioners; trials; preparation for court appearances; preparing legal briefs and memoranda; conferences in re same; conferences with various Deputy Attorneys General.

In 1958, we instituted 94 condemnation proceedings and in 1959 we instituted 168 condemnation cases.

III. INTERDEPARTMENTAL SERVICES

Conferences with department heads with reference to various problems; opinion memoranda for Commissioner Palmer, department heads and employees; approving, disapproving and re-writing various legal papers and

III. INTERDEPARTMENTAL SERVICES (Cont'd.)

documents; recommendations for condemnation or settlement; trial preparation; brief writing and similar services.

IV. MISCELLANEOUS

Attending bidding; seeing that all necessary papers are prepared; dictating all court matters; numerous other matters which arise during the course of the month.

JL/mmd

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of December 1959.

Division: Right of Way Acquisition & Titles
Bureau: Title

TITLE SEARCHING

102 searches and 113 continuation searches were completed throughout the State.

TITLE EXAMINING

82 title searches were examined and Reports of Title prepared.

LEGAL INSTRUMENTS

75 Legal instruments were prepared and forwarded to the owners or their attorneys for execution.

CERTIFICATE OF TITLE

63 Certificates of title were prepared and submitted to the Department of Law for approval.

SETTLEMENTS

74 final settlements were made with property owners.

CONDEMNATIONS

16 Title Memorandums were prepared and forwarded to the Department of Law. 61 condemnation notices were served.

TITLE COMPANIES

14 deeds were delivered through the offices of title companies.

10 checks were delivered to title companies with instructions for settlement with the owners.

Edward H. Drake
Title Officer

MONTHLY JURAL REPORT Month of December 1939.

Name: Edgar D. Ray Assistant Title:

Title

12 searches and 113 throughout the State.

TITLE EXAMINING

44 title searches were examined and Reports of Title prepared.

MISCELLANEOUS

5 Legal instruments were prepared and forwarded to the owners for their signatures for execution.

CERTIFICATES OF TITLE

61 Certificates of title were prepared and submitted to the Department of Law for approval.

CLOSINGS

7 final settlements were made with property owners.

CONDEMNATION

15 Title Memorandums were prepared and forwarded to the Department of Law. 61 condemnation notices were served.

MISCELLANEOUS

14 Deeds were delivered covering the sellers of their properties.

11 checks were delivered to title companies with instructions with the owners.

Edward E. Jones
Title Officer

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of December 1959

Division: Roads, Location and Design
Bureau: Federal Aid Secondary

PLANS

Checking plans for the following project:

Mount Holly-Burlington Road, Burlington County, S218(2)

PREPARING SPECIFICATIONS

Mount Holly-Burlington Road, Burlington County, S218(2)

PROJECTS ADVERTISED

Old Hook Road Extension, Bergen County, S1(4)

BIDS RECEIVED

None

CONTRACTS AWARDED

Franklin Boulevard, Somerset County, S185(2)
Burnt Tavern Road, Ocean County, S180(6)

PROJECTS ACCEPTED AS COMPLETE

S186(2) - Bridge over Pompton River, Passaic & Morris Counties
S239(1) - Lacey Road, Ocean County

MISCELLANEOUS

Reviewing plans for proposed construction as requested by various Counties, checking As Built Plans for Final Payments, preparing agreements between County and State for Federal Aid Secondary Projects and preparing Final Estimates, etc., on completed projects. Also preparing Final Vouchers on completed projects, making Final Inspections, etc.. Received Final Payment from Federal Government on FAS Projects.

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of DECEMBER 19 59

Division: Roads, Design &Construction
Bureau: Location & Design

FEDERAL AID

Programming of NJ-I-295-1(21) Rt. 295,Sec.1D - Rt. 47 to Rt. US 130; U-183(8) Rt. 73, Sec. 2A from S. Br. Pennsauken Cr. to Rt. 38; U-124(5) Rt. 82, Sec. 1A L.V.R.R. at Morris Ave.; U-69(22) Rt. US 130 Secs.7A and 8B.

OFFICE ENGINEER

Processing Plans and Specifications for Rt. US 130,Secs 7A & 8B, Interchange at Rt. 73; Rt. 295, Sec. 1D, Rt. 47 to Hessian Ave.; Rt. 95, Teaneck Rd. to Northern RR of N.J.; Rt. 73, Sec. 2A, Rt. US 130 to Rt. 38; Rt. 208,Sec. 2A & 3B, Bridge Approaches, Grandview, Cedar Hill and Russell Ave; Rt. 202, Sec. 8A, S.Branch Raritan River to Beechwood Drive; Rt. 80,Sec. 2H, Rt. 46 to Howard Blvd.; Rt. 82, Sec. 1A L.V.R.R. Bridge & Pavement Construction; Rt. 35 Sec. 12B, Smith St. to N.J. Turnpike; Rt. 28, Sec. 1A Coolidge Pl. to Bridge St.;

INTERSTATE

Rt.I-80,Sec. 1 - Columbia to Netcong - Photogrammetrics 98% complete; I-80,Sec. 3 - Denville to Wayne Twp - Interchange studies continuing; I-80,Sec. 4 - Wayne Twp. to Garden St. Parkway - Interchange at Wayne Twp. still undecided. Awaiting comments of Bur.Public Roads; I-80, Sec. 5 - Garden St. Parkway to Teaneck - this is part of 1959-60 Program, construction plans for various sections well underway , 65% complete; I-95, Sec. 1 - Teaneck Rd. to George Washington Bridge - Sec. 1A, Sand drain contract not as yet released for advertising. Waiting release from Bd. of Chosen Freeholders for "right-of-entry"; Sec. 1B - grading and structures contract 99% complete; Sec. 1D - complete contract at bridge plaza progressing, 65% complete; I-95, Sec. 1 - Rt. US 46 to I-80 Ridgefield Park, continuing studies; I-78, Sec. 5 - Berkeley Heights to Newark Airport - further alignment and interchange studies made and submitted to Bur. Public Roads on Springfield to Berkeley Heights; I-287, Sec. 4 - Parsippany Twp. to Montville Twp. - preparation of contract plans and right-of-way plans progressing, 64% complete; I-280 - not active.

MISCELLANEOUS

Rt. 3, Sec. 2 - Hackensack River Bridge - preparing public hearing map;hearing scheduled for January 6th; Route 21, Sec. 5C - Belleville awaiting approval of Bur. of Public Roads and Corp. of Engineers on adopted plan; Rt. 22, Sec. 14B, Hillside - Liberty Ave. Bridge Widening, Public hearing probably in Late January; Rt. 440, Sec.2A Communipaw Ave. to Danforth Ave.,Jersey City, - plans 40% complete.

...e 7A and 8.

...:30, Sec. 1 - Columbia to Watson; - Postponed - extra 908 southbound;
...:30, Sec. 3 - Derailed to Wayne Twp. - Interchange awaiting coupling-
... 1-30, Sec. 4 - ...ayne Twp. to Glen Rd. Railway - Interchange
... Two. still needed. Awaiting comments of Municipal
...: I-7, Sec. 5 - detention Rd. Proceed to Tremont - this port
... 50-60 Engines, construction plans for various sections well
... not complete; I-95, Sec. 1 - Tremont Rd. to Orange
... Indiana - Sec. 1, Road design complete but no yet re-
...ased for investment. Awaiting release from Bd. of Chosen Engi-
...ders for "right-of-entry"; Sec. 11 - grading and structures
... 95% complete; I-95, Sec. 1 - Rt. 66 to I-80 Mid-
...ld Road, awaiting studies; I-78, Sec. 5 - Tarnley Heights
... Airport - To other alignment and interchange studies
... submitted to Gov. Public Hearing to be held in Cranbury
...te; I-87, Sec. 1 - Tremontpany Twp. to Greenville Twp. - Deci-
...sion of condemnation cases are right-of-way plans now pending.
...plete; I-80) - not active.

...Scheduled for January 6th; Rome Rd., Sec. 5C - Bellevilla
... Dept. of Public Roads and Dept. of Engineers

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of December 1959

Division: Design & Construction
Bureau: Road Construction

ROUTE	SECTION	LOCATION	PERCENTAGE COMPLETED Dec. 1st.	Jan. 1st.60
1 & 9	1 & 2	Ramp Revisions, Grading, Paving & Bridges, Newark	50%	54%
1 & 9	3-A	Center Island Closings and Turnarounds	57%	77%
1 & 9	6A & 7A	Tonnele Ave. Traffic Circle to Fairview Ave.		.2%
U.S. 9	2	Cape May Canal Bridge and Approaches	38%	45%
U.S. 9	3	Drainage Improvements	59%	72%
10	2-A	Underpass at Salem Street	47%	53%
10	3-A	Newark & Mt. Pleasant Turnpike to Route 53	17%	23%
10	4-A	Livingston Traffic Circle to Whippany Troy Hills Rd.	21%	34%
15	1	Burnt Meadow Brook, Grading & Paving Br. Approaches	45%	48%
17	3	Underpass at Century Road	50%	61%
18	2	Clifton Avenue to New Jersey Turnpike	60%	63%
18	5	From 800' E. Spring Valley Road to Route U.S. 9	3%	8%
21	1-B	Roosevelt Avenue to Highfield Lane	92%	95%
21	1-C	From Highfield Lane to So. Parkway, Grading, Paving & Br.	9%	12%
U.S. 22	13A & 14A	Pedestrian Overpasses	28%	32%
U.S. 1	1	Lake Drive to N.J. Motor Vehicle Inspection Station	88%	92%
4 Pkwy.	9-N	Ramp and Deceleration Lanes at Chestnut Street	66%	81%
29	1	From Raven Rock to Byram, Grading and Paving	72%	83%
38	1A & 2A	From Church Road to Marter Avenue, Dualization	26%	33%
71	1	Br.&Approaches at Poplar Brook, Whale Pond Brook, Etc.	55%	72%
71	2	Drainage Improvement, City of Asbury Park	26%	45%
U.S. 78	2-E	Central R.R. of N. J. to Mulhockaway Creek	67%	73%
80	2-E	Rt. U.S. 46 to Landing Rd. Bridge & Incidental Paving	25%	32%
80	2-G	Ramps at Mt. Hope-Dover Road Interchange	89%	93%
80	4-A	Bridge over Relocated Route 20	30%	34%
80-S	1 &)	U.S. 130 to Browning Road & Route 80-S Interchange to		
295	2-G)	Copley Road	47%	52%
80 (101)	2-C	Howard Blvd. to Rt. 15, Grading, Paving, Bridges	91%	93%
29	15-A)	Wilburtha Road to Scudders Falls		
129	1-A)	Delaware River Bridge to Scotch Road	22%	27%
130	8A & 9A	From Coopertown Road to Cinnaminson Avenue	2%	4%
169	1	Constable Hook to Point Breeze	30%	37%
287	1A & 2A	W. & E. Viaduct Crossing of Raritan River	98%	99%
287	1-B	Interchange to Viaduct at Lehigh Valley Railroad	8%	10%
287	1C & 2B	Weston Canal Rd. to River Road Interchange	23%	28%
295	1-C	Browning Lane to Broadway, Grading, Paving & Bridges	48%	53%
208	3	Goffle Road to 1300' W. of Grandview Avenue	90%	93%
208	3-A	Maple Avenue to Goffle Road, Pedestrian Overpass	35%	49%
322	1	Weymouth Road to Route 50, Dualization	18%	27%
611	1-A	Delaware Water Gap Slope Excavation	40%	93%
		N. J. State Teachers College at Union, Contract #2	19%	19%
P.I.P.	4	Demolition of Buildings		19%

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of December 1959

Division: Design & Construction
Bureau: Road Construction

CONTRACTS AWARDED IN DECEMBER

Route 12, Section 1-A - from One Mile West of Baptistown to Little Nishisakawick Creek. Awarded to Samuel Braen's Sons on December 1, 1959.

Palisades Interstate Parkway N. J. Section IV - Demolition of Buildings. Awarded to V. Ottilio & Sons on December 4, 1959.

Route U.S. 1(1953) Section 8-A and Route U.S. 9(1953) Sections 4-A and 25-A Island Closings, Turnarounds and Intersection Revisions. Awarded to Halecrest Company on December 7, 1959.

CONTRACTS ACCEPTED IN DECEMBER

Route U.S. 1(1953) Section 2 - from N. J. Motor Vehicle Inspection Station to 3/4 Mile South of Alexander Road. Accepted December 1, 1959.

Route U.S. 1, Section 3 - from 3/4 Mile South of Alexander Road to State Police Barracks. Accepted December 1, 1959.

Route 6, Section 9-D - Widening and Resurfacing from Unica Boulevard to Valley Road. Accepted December 2, 1959.

Route 23, Section 15-A - Widening and Realignment from Stennykill Lake to Clove Road. Accepted December 2, 1959.

Route 18, Section 3 - Grading, Drainage and Paving from Pine Street to 800' EAST OF Spring Valley Road. Accepted December 1, 1959.

Route 18, Section 4 - Old Bridge Circle to Pine Street. Accepted December 1, 1959.

Route 26, Sections 3-C & 4-E - Widening and Resurfacing from State Police Barracks to Stouts Lane. Accepted December 1, 1959.

Route 202, Section 2 - Dualization from Beechwood Drive to Huyler Road. Accepted December 1, 1959.

Route 202, Section 3 - Dualization from Huyler Road to C. R. R. Accepted December 1, 1959.

Route 202, Section 4 - from the Central Railroad of N. J. to Somerville Traffic Circle. Accepted December 1, 1959.

Route 208, Section 1 - Grading, Paving and Drainage Grandview Avenue to Helena Avenue. Accepted December 2, 1959.

Route 208, Section 2 - Grading and Paving Helena Avenue to Colonial Road. Accepted December 15, 1959.

Palisades Interstate Parkway, Sections 1U & 2S - Planting from Fort Lee Plaza to N. Y. State Line. Accepted December 10, 1959.

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of December 1959

Division: Design & Construction

Bureau: Road Construction

CONTRACTS ACCEPTED IN DECEMBER (Continued)

Route 101, Section 2-D - Bridge over Delaware, Lackawanna & Western R.R. And Incidental Paving. Accepted December 23, 1959.

GENERAL NOTES

Considerable construction progress was made in the early part of December, but a severe cold snap, together with the holidays, slowed most of the projects during the latter part of the month.

Another section of Route 21 was opened to traffic, and every effort is being made to get Route 29 through Raven Rock in condition to carry traffic over the winter.

Sections 1 and 2 of Route 208 were opened to traffic during the month, and a third section should be open early in January.

During the month of December 14 projects were accepted and 3 projects were awarded. One bid was received but not awarded.

As of January 1, 1960, there were 41 projects underway, valued at $70,793,021, and being inspected by 146 men.

Allen C. Ely

Allen C. Ely
Supervising Engineer, Bureau of Road Construction

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of December 1959

Division: State Aid Projects
Bureau:

COUNTIES: All State Aid funds due counties for work completed to November 1, 1959 have been paid.

Prescribed forms for Final Certificates and 1960 Work Programs are now in hands of county officials.

Six items requiring office processing were received, five processed.

MUNICIPALITIES: Construction and maintenance work practically stopped during the month.

Applications for Herrick Act allotments from four counties were approved and the municipalities notified.

All municipalities notified of their 1960 Formula Fund allotments.

221 items requiring office processing were received, 262 items were processed.

PERSONNEL: 21 Highway Inspectors Projects were promoted to newly created position of Senior Highway Inspector Projects.

Field personnel utilizing slack period for vacation and XP time off.

Some field personnel assigned to other Divisions as needed.

Month of December 1959

[illegible]: All State Aid funds due counties for work completed to November 1, [illegible].

Prescribed forms for Final Certifications and 1960 Work Programs are now in hands of county officials.

Six items requiring office processing were received, five processed.

Applications for Herrick Act allotments from four counties were approved and the municipalities notified.

All municipalities notified of their 1960 Formula Fund allotments.

221 items requiring office processing were received, 262 items were processed.

[illegible]: 21 Highway Inspectors Projects were promoted to newly created [illegible].

Field personnel utilizing slack period for vacation and XF time off.

Some field personnel assigned to other Divisions as needed.

NJDOT RESEARCH LIBRARY
3 4310 00011 6833